Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 29 Dec 2022 until 23:59 on Friday 30 Dec 2022

Forecast Issued on Thursday 29 Dec 2022 at 03:23

Confidence: High becoming Medium in details from Saturday

Headline for Thursday 29 Dec 2022: Bright with isolated showers. Windy and cold over the summits.

Mountain weather hazards on Thursday 29 Dec 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Low Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sleet showers (night)	Sleet showers	Sleet showers	Sleet showers	Sleet showers (night)	Partly cloudy (night)
Precipitation probability					
60%	30%	30%	30%	30%	10%

Forecast for Thursday 29 Dec 2022

Weather: Strong westerly winds and generally isolated quick moving showers during daylight hours. Showers could be heavy at times with hail and a rumble of thunder possible; turning wintry above around 600-700m. Plenty of brightness likely however and tending to become drier into the evening.

Chance of cloud-free hill tops above 600m: 90%

Low cloud and visibility: Cloud generally above summits, but lowering to shroud the summits above around 600-700m in showers. The visibility good in general but falling poor or very poor in showers and cloud.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Thursday 29 Dec 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	35/43 W	31/39 SW	32/42 SW	32/42 SW	23/32 SW	24/35 SW	25/36 SW
300	23/31 W	22/30 SW	24/34 SW	24/35 SW	17/25 SW	17/28 SW	18/30 S
Valley	15/31 W	14/29 SW	16/34 SW	17/35 W	11/24 SW	10/25 SW	11/27 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-5	2/-6	2/-6	2/-6	1/-6	1/-6	1/-6
300	5/-0	4/-1	4/-1	5/-1	4/-2	3/-2	4/-2
Valley	6/2	5/1	5/1	5/1	4/0	3/-1	4/-0
Freezing Level*	1000m	800m	700m	800m	800m	800m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Some severe wind chill possible at higher levels, particularly if showers combine to bring more persistent spells of precipitation. Adequate waterproofs and warm clothes essential despite brighter spells. Winter hazards likely at height.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 29 Dec 2022	15.2mm	30.4mm	30.6mm

Forecast for Friday 30 Dec 2022

Weather: Turning milder again as rain sweeps northwards overnight and during the morning, the rain heavy and persistent at times along with summit gales. It should begin to dry up during the afternoon with the cloud beginning to lift and break, a scattering of showers then following.

Maximum wind: South or Southwest 30-35mph gusting 50mph.

Chance of cloud-free hill tops above 600m: 30%, becoming 70% around dusk.

Low cloud and visibility: Extensive cloud, base 300 to 600m overnight and during the morning, lifting and breaking near or above the summits by dusk. Visibility moderate or poor in rain, and very poor at height, becoming good or very good at times later in the day.

Temperature: **Valleys:** Plus 2 Celsius rising to 9 Celsius
At 600m: Plus 1 Celsius soon rising Plus 5 Celsius, later Plus 3 Celsius
Freezing level: Above the summits

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